

D. WORKING/CONSTRUCTION DRAWINGS:

The Lessor shall prepare, as part of the Tenant Improvement Allowance, final working/construction drawings for the improvements illustrated on the Government-approved design intent drawings. The working/construction drawings shall include all mechanical, electrical, plumbing, fire safety, lighting, structural, and architectural improvements scheduled for inclusion into the Government-demised area. Working/construction drawings shall also be annotated with all applicable specifications. The resulting product shall reflect requirements which are substantially the same as that specified by the Government-approved design intent drawings and shall incorporate neither extraneous additions nor deletions of requirements. The Lessor's working/construction drawings shall be due to the Government as agreed upon by the Government per the final schedule. Working/construction drawings shall clearly identify 1) Tenant Improvements already in place and 2) the work to be done by the Lessor or others.

E. REVIEW OF WORKING/CONSTRUCTION DRAWINGS:

The Government retains the right to review, and request modifications (if necessary) to, the Lessor's construction documents prior to the Lessor's commencement of interior construction. The Government's review of the construction documents is limited to the construction documents' conformance to the specific requirements of the SFO and to the approved design intent drawings. The Government shall perform all reviews of construction documents as agreed upon by the Government per the final schedule. Should the Government require that modifications be made to the Lessor's construction documents, the Government shall state such in writing to the Lessor, and the Lessor shall have the number of working days agreed upon by the Government per the final schedule to cure all noted defects before returning the construction documents to the Government for a subsequent review. Upon complete Government review for conformance of the construction documents to the design intent drawings, the Lessor shall obtain the necessary permits. Notwithstanding the Government's review of the construction documents, the Lessor is solely responsible and liable for the technical accuracy of the construction documents in meeting all requirements and provisions of the lease and the Government-approved design intent drawings. The Lessor shall obtain the necessary permits and may commence construction of the shell space.

F. TENANT IMPROVEMENTS PRICE PROPOSAL

Within the number of working days agreed upon by the Government per the final schedule, the Lessor must submit the written price proposal along with adequate cost and pricing data or the documentation of the competitive proposals (as described in the "Tenant Improvements Pricing Requirements" paragraph in this section) and for any costs or credits to the Government that are beyond the scope of the original SFO and its attachments. Any work shown on the construction documents that is building shell shall be clearly identified and priced as such. After negotiation and acceptance of the Tenant Improvements price, **A NOTICE TO PROCEED SHALL BE TRANSMITTED TO THE LESSOR**, and the Lessor shall commence construction of the Tenant Improvements.

G. CONSTRUCTION OF TENANT IMPROVEMENTS:

The Lessor shall construct all Tenant Improvements in accordance with 1) the Government reviewed working/construction drawings and 2) all terms and conditions of the SFO. The Lessor shall complete Tenant Improvements as agreed upon by the Government per the final schedule. The Lessor shall furnish a detailed construction schedule (such as Critical Path Method) to the Government within 5 days of issuance of the notice to proceed. Such schedule shall also indicate the dates available for the Government contractors to install telephone/data lines or equipment. The Government reserves the right to access any space within the building during the conduct of interior construction for the purposes of performing inspections or for installing Government-furnished equipment. The Government shall coordinate with the Lessor the activity of Government contractors in order to minimize conflicts with, and disruption to, other contractors on site. Access shall not be denied to authorized Government officials including, but not limited to, Government contractors, subcontractors, or consultants acting on behalf of the Government with regard to this project.

H. ACCEPTANCE OF SPACE AND CERTIFICATE OF OCCUPANCY:

As agreed upon by the Government per the final schedule, the Lessor shall issue written notice to the Government to inspect the space. The Government shall have the number of working days agreed upon by the Government per the final schedule to inspect and to either accept or reject the subject space.

1. Substantially completed space will be accepted by the Government subject to the completion of minor punch list items (see the Definitions paragraph of GSA Form 3517, General Clauses). Space which is not substantially complete will not be accepted by the Government. Should the Government reject the Lessor's space as not substantially complete as defined herein, the Lessor shall immediately undertake remedial action and when ready shall issue a subsequent notice to inspect to the Government.
2. The Lessor shall provide a valid Certificate of Occupancy, issued by the local jurisdiction, for the intended use of the Government and shall maintain and operate the building in conformance with current local codes and ordinances. If the local jurisdiction does not issue Certificates of Occupancy, the Lessor shall obtain the services of a licensed fire protection engineer to verify the offered space meets all applicable local codes and ordinances to ensure an acceptable level of safety is provided.

I. RENT COMMENCEMENT:

The rent commencement date (for each increment) shall be the date that space acceptance is made by the Government. Any rental paid by the Government prior to actual occupancy shall be less the cost for services and utilities. In any event, the Government will not be required to accept space and commence rent prior to the original date as indicated in Paragraph 1.9, which may be amended in the final construction schedule.

J. LEASE COMMENCEMENT:

The Government shall issue GSA Form 276, Supplemental Lease Agreement, to establish the lease commencement date after the acceptance of all space, if different from the date previously established in the lease. In any case, the lease commencement date shall not be prior to the rent commencement date.

5.14 PROGRESS REPORTS (AUG 2008)

After start of construction, at the Government's discretion, the Lessor shall submit to the Contracting Officer, written progress reports at intervals of 30 days. Each report shall include information as to 1) percentage of the work completed by phase and trade; 2) a statement as to expected completion and occupancy date; 3) changes introduced into the work; and 4) general remarks on such items as material shortages, strikes, weather, etc. In addition, at the Government's discretion, the Lessor shall conduct meetings every four week(s) to brief Government personnel and/or contractors regarding the progress of design and construction of the Government-demised area. The Lessor shall be responsible for taking and distributing minutes of these meetings, with review and approval by the Contracting Officer. Such meetings shall be held at a location to be designated by the Government.

5.15 CONSTRUCTION INSPECTIONS (AUG 2008)

- A. Construction inspections will be made periodically by the Contracting Officer and/or designated technical representatives to review compliance with the SFO requirements and the final working drawings.
- B. Periodic reviews, witnessing of tests, and inspections by the Government are not to be interpreted as resulting in any approval of the Lessor's apparent progress toward meeting the Government's objectives but are intended to discover any information which the Contracting Officer may be able to call to the Lessor's attention to prevent costly misdirection of effort. The Lessor shall respond in writing to the Contracting Officer regarding the Government's comments resulting from the subject reviews, test, and inspections. The Lessor shall remain completely responsible for designing, constructing, operating, and maintaining the building in full accordance with the requirements of this solicitation.

5.16 FLOOR PLANS AFTER OCCUPANCY (DEC 2005)

- A. Paper Medium: Within 30 days after occupancy, as-built reproducible full floor plans, scaled at 1/8" = 1'-0", showing the space under lease, as well as corridors, stairways, and core areas, shall be provided to the Contracting Officer.
- B. Electronic Medium: Computer-Aided Design (CAD) files of as-built floor plans showing the space under lease, as well as corridors, stairways, and core areas, shall be provided to the Contracting Officer. The plans shall have been generated by a CAD program which is compatible with the latest release of AutoCAD. The required file extension is .DWG. Clean and purged files shall be submitted on CD-ROM. They shall be labeled with building name, address, list of drawing(s), date of the drawing(s), and Lessor's architect and phone number. The Lessor's operator shall demonstrate the submission on NOAA equipment, if requested by the Contracting Officer.
- C. The Offeror shall ensure that the drawing files include all custom fonts or menus used to modify the drawings, and all external references (i.e. XREFs) must be BOUND. In addition, the Offeror shall ensure that the layering is in accordance with the CAD Layer Guidelines, Second Edition (1997) by the American Institute of Architects (AIA).

5.17 WAIVER OF RESTORATION (AUG 2008)

The Lessor hereby waives, releases and discharges, and forever relinquishes any right to make a claim against the Government for waste, damages, or restoration arising from or related to (a) the Government's normal and customary use of the leased premises during the term of the lease (including any extensions thereof), as well as (b) any initial or subsequent alteration to the leased premises, including cabling, or removal thereof, during the term of this lease (including any extensions thereof), where such alterations or removals are performed by the Lessor or by the Government with the Lessor's consent, which shall not be unreasonably withheld. The Government may, at its sole option, abandon property in the leased space following expiration of the Lease, in which case the property will become the property of the Lessor and the Government will be relieved of any liability in connection therewith.

5.18 BUILDING SYSTEMS COMMISSIONING

Commissioning is an interdisciplinary process involving the Lessor, the Design Professionals, the Contractors, and the Lessee. Building commissioning is defined as a systematic quality assurance process for achieving, verifying, and documenting the interactive performance of the building systems in meeting the design intent and the occupants' operational needs.

The Commissioning Process shall begin at the project's inception and continue through the first year of occupancy by the Government. The commissioning process shall document NOAA's criteria for system function, performance, and maintenance ability; and shall verify and document compliance with these criteria throughout the construction, start up, and initial period of operation. Complete Operation and Maintenance (O&M) Manuals; and Commissioning Systems Concepts and Maintenance Manuals; and on-site training of building operators in the operation, operating strategies, sequence of control, schedule, and emergency override of building systems shall be provided to ensure that the building will continue to operate as intended.

The major building systems to be commissioned are:

HVAC
Plumbing
Electrical System
Lighting
Fire Alarm System

Building Envelope: roofing, waterproofing, flashings, sealants, moisture barriers, vapor barriers

The Lessor shall be responsible for securing and paying for an independent certified Commissioning Provider. The Commissioning Provider shall be certified by NEBB or AABC. The Lessor shall submit the qualification of the Commissioning Provider to the Contracting Officer prior to the second Design Development Review Submittal.

The Commissioning Provider shall be involved in this project from the start of Design Development through the warranty phase. In general, the commissioning process shall be in accordance with ASHRAE Guide 1.0. The documentation, methodology, and the completed forms shall be in accordance with NEBB Standards. The Commissioning Provider shall edit the Construction Documents to mandate the level of cooperation and participation of various contractors, suppliers, and vendors in the commissioning process. The Lessor shall ensure compliance by the contractors, suppliers, and vendors.

THE LESSOR IS RESPONSIBLE FOR ANY ADJUSTMENT, REPAIR, MODIFICATION OR REPLACEMENT OF SYSTEMS THAT ARE DETERMINED BY THE COMMISSIONING PROVIDER TO NOT BE OPERATING CORRECTLY.

6.0 GENERAL ARCHITECTURE

6.1 ACCESSIBILITY (FEB 2007)

The building, leased space, and areas serving the leased space shall be accessible to persons with disabilities in accordance with the Architectural Barriers Act Accessibility Standard (ABAAS), Appendices C and D to 36 CFR Part 1191 (ABA Chapters 1 and 2, and Chapters 3 through 10). To the extent the standard referenced in the preceding sentence conflicts with local accessibility requirements, the more stringent shall apply.

6.2 EXITS AND ACCESS (DEC 2007)

A. OFFICE

1. Vestibules shall be provided at public entrances and exits wherever weather conditions and heat loss are important factors for consideration. In the event of negative air pressure conditions, provisions shall be made for equalizing air pressure.
2. The Lessor shall provide permanent entryway systems (such as grilles or grates) to control dirt and particulates from entering the building at all primary exterior entryways.

B. WAREHOUSE AND RELATED SPACE

1. All exits, stairs, corridors, aisles, and passageways that may be used by the Government shall comply with NFPA standard no. 101 except that there must be at least 2 separate exits available from every floor. The minimum width of any corridor or passageway serving as a required exit or means of travel to or from a required exit must be not less than 44 inches clear width.

6.3 DOORS: EXTERIOR (SEP 2000)

A. BUILDING SHELL:

1. Exterior doors shall be provided at the Lessor's expense unless explicitly requested by the Government in addition to those provided by the Lessor. Exterior doors shall be weather-tight and shall open outward. Hinges, pivots, and pins shall be installed in a manner which prevents removal when the door is closed and locked.
2. These doors shall have a minimum clear opening of 32" clear wide x 80" high (per leaf). Doors shall be heavy-duty, flush, 1) hollow steel construction, 2) solid-core wood, or 3) insulated tempered glass. As a minimum requirement, hollow steel doors shall be fully insulated, flush, #16-gauge hollow steel. Solid-core wood doors and hollow steel doors shall be at least 1-3/4 inches thick. Door assemblies shall be of durable finish and shall have an aesthetically-pleasing appearance acceptable to the Contracting Officer. The opening dimensions and operations shall conform to the governing building, fire safety, accessibility for the disabled, and energy codes and/or requirements.

6.4 WINDOWS (AUG 2008)

A. OFFICE

1. Office space shall have windows in each exterior bay unless waived by the Contracting Officer.
2. All windows shall be weather-tight. Operable windows that open shall be equipped with locks. Off-street, ground level windows and those accessible from fire escapes, adjacent roofs, and other structures that can be opened must be fitted with a sturdy locking device. Windows accessible from fire escapes must be readily operable from the inside of the building.
3. Fire rated glazing shall comply with ANSI Z97.1, Safety Glazing Materials Used in Buildings – Safety Performance Specifications and Methods of Test and CPSC 16CFR1201, Category 1, Safety Standard for Architectural Glazing Materials.

B. WAREHOUSE AND RELATED SPACE

1. In the event the warehouse space contains windows the following standards must be met, unless waived by the CO. All space must have new, modern, or refurbished windows acceptable to the Contracting Officer in each exterior bay. All windows shall be weather-tight. Air infiltration in exterior glazing systems must be no greater than .20 cfm/linear foot of sash perimeter, per ASTM E 263, at a static pressure of 6.24-psf. Windows shall have a fixed sash.
2. Off-street, ground level windows, and windows accessible from fire escapes or adjacent roofs must have exterior grilles or anti-intrusion alarm systems to deter forcible entry.

6.5 WINDOW COVERINGS (DEC 2005)

- A. *Window Blinds.* All exterior windows shall be equipped with window blinds in new or like new condition, which shall be provided as part of the Tenant Improvement Allowance. The blinds may be aluminum or plastic vertical blinds, horizontal blinds with aluminum slats of 1-inch width or less, solar fabric roller shades, or an equivalent product pre-approved by the Contracting Officer. The window blinds shall have non-corroding mechanisms and synthetic tapes. Color selection will be made by the Contracting Officer.

6.6 FLOORS AND FLOOR LOAD (OFFICE: SEP 2000/WAREHOUSE: NOV 2000)

A. OFFICE SPACE

1. All adjoining floor areas shall be:
 - a. of a common level not varying more than 1/4 inch over a 10-foot horizontal run in accordance with the American Concrete Institute standards,
 - b. non-slip, and,
 - c. acceptable to the Contracting Officer.
2. Underfloor surfaces shall be smooth and level. Office areas shall have a minimum live load capacity of 50 pounds per ANSI/BOMA Office Area square foot plus 20 pounds per ANSI/BOMA Office Area square foot for moveable partitions. Storage areas shall have a minimum live load capacity of 100 pounds per ANSI/BOMA Office Area square foot including moveable partitions. A report showing the floor load capacity, at no cost to the Government, by a registered professional engineer is required. Calculations and structural drawings may also be required.

B. WAREHOUSE AND RELATED SPACE

1. Floors shall be of a common level, non-slip and acceptable to the Contracting Officer. The uniformly distributed design live floor load of all warehouse floors shall be no less than 250 pounds per square foot. Written certification of the floor load capacity by a registered professional engineer is required, at no cost to the Government. Calculations and structural drawings are also required. Warehouse and storage area floors shall be smooth concrete and must be sealed with an epoxy or urethane sealer, acceptable to the contracting officer, with an expected service life of no less than 5 years, prior to acceptance of the space by the Government. All cracks in the concrete warehouse floor shall be repaired and all spalls shall be patched with a commercial-grade epoxy cement. The floors must be resealed no less than once every 5 years (unless waived by the Contracting Officer. Non-performance of said sealing shall not be acceptable unless approved via a written waiver from the NOAA Contracting Officer. After its initial occupancy, the Government shall be responsible for moving of all obstacles (such as pallets, boxes, forklifts, etc.) in the warehouse, excluding all permanent fixtures, so that the floors may be properly resealed. The Lessor shall be responsible for coordinating its work or that of its contractor with the efforts of the Government.

6.7 CEILINGS (SEP 2000)

A. OFFICE SPACE

1. Ceilings shall be at least 8 feet, 0 inches and no more than 12 feet, 0 inches measured from floor to the lowest obstruction. Areas with raised flooring shall maintain these ceiling height limitations above the finished raised flooring. Bulkheads and hanging or surface-mounted light fixtures which impede traffic ways shall be avoided. Ceilings shall be uniform in color and appearance throughout the leased space, with no obvious damage to tiles or grid.
2. Ceilings shall have a minimum noise reduction coefficient (NRC) of 0.60 throughout the Government-demised area.
3. Prior to closing the ceiling, the Lessor shall coordinate with the Government for the installation of any items above the ceiling.
4. Should the ceiling be installed in the Government-demised area prior to construction of the Tenant Improvements, then the Lessor shall be responsible for all costs in regard to the disassembly, storage during construction, and subsequent re-assembly of any of the ceiling components which may be required to complete the Tenant Improvements. The Lessor shall also bear the risk for any damage to the ceiling or any components thereof during the construction of the Tenant Improvements.
5. Ceilings shall be a flat plane in each room and shall be suspended with ample light fixtures and finished as follows unless an alternate equivalent is pre-approved by the Contracting Officer:
 - a. *Restrooms*. Plastered or spackled and taped gypsum board.
 - b. *Offices and Conference Rooms*. Mineral and acoustical tile or lay in panels with textured or patterned surface and tegular edges or an equivalent pre-approved by the Contracting Officer. Tiles or panels shall contain recycled content.
 - c. *Corridors and Eating/Galley Areas*. Plastered or spackled and taped gypsum board or mineral acoustical tile.

B. WAREHOUSE AND RELATED SPACE

1. Ceiling height shall in accordance with the attached POR.

6.8 ACOUSTICAL REQUIREMENTS (SEP 2000)

A. BUILDING SHELL:

1. *Reverberation Control*. Ceilings in carpeted space shall have a noise reduction coefficient (NRC) of not less than 0.55 in accordance with ASTM C-423. Ceilings in offices, conference rooms, and corridors having resilient flooring shall have an NRC of not less than 0.65.
2. *Ambient Noise Control*. Ambient noise from mechanical equipment shall not exceed noise criteria curve (NC) 35 in accordance with the ASHRAE *Handbook of Fundamentals* in offices and conference rooms; NC 40 in corridors, cafeterias, lobbies, and toilets; NC 50 in other spaces.

3. *Noise Isolation.* Rooms separated from adjacent spaces by ceiling-high partitions (not including doors) shall not be less than the following noise isolation class (NIC) standards when tested in accordance with ASTM E-336:
 - a. Conference rooms NIC 40
 - b. Offices NIC 35
4. *Testing:* The Contracting Officer may require, at no cost to the Government, test reports by a qualified acoustical consultant showing that acoustical requirements have been met.

B. TENANT IMPROVEMENT:

1. Ceilings shall have a minimum noise reduction coefficient (NRC) of 0.60 throughout the Government-demised area.

6.9 **PARTITIONS: GENERAL (DEC 2007)**

BUILDING SHELL:

Partitions in public areas shall be marble, granite, hardwood, or sheetrock covered with durable wall covering or high performance coating, or equivalent pre-approved by the Contracting Officer.

6.10 **PARTITIONS: PERMANENT (SEP 2000)**

BUILDING SHELL:

Permanent partitions shall extend from the structural floor slab to the structural ceiling slab. They shall be provided by the Lessor as part of shell rent as necessary to surround the Government-demised area, stairs, corridors, elevator shafts, toilet rooms, all columns, and janitor closets. They shall have a flame spread rating of 25 or less and a smoke development rating of 50 or less (ASTM E-84). Stairs, elevators, and other floor openings shall be enclosed by partitions and shall have the fire resistance required by the applicable building code, fire code and ordinances adopted by the jurisdiction in which the building is located (such as the International Building Code, etc.) current as of the award date of this lease.

6.11 **BUILDING DIRECTORY AND SIGNAGE (DEC 2005)**

A. BUILDING SHELL:

A tamper-proof directory with lock shall be provided in the building lobby listing the Government agency(ies). It must be acceptable to the Contracting Officer.

B. TENANT IMPROVEMENT:

The Lessor shall install signage on the building identifying it as a US Department of Commerce, NOAA facility for the Marine Operations Center – Pacific.

6.12 **LANDSCAPING (SEP 2000)**

A. Where conditions permit, the site shall be landscaped for low maintenance and water conservation with plants that are either native or well-adapted to local growing conditions.

B. Landscape management practices shall prevent pollution by:

1. employing practices which avoid or minimize the need for fertilizers and pesticides;
2. prohibiting the use of the 2,4-Dichlorophenoxyacetic Acid (2,4-D) herbicide and organophosphates; and
3. composting/recycling all yard waste.

C. The Lessor shall use landscaping products with recycled content as required by Environmental Protection Agency's (EPA's) Comprehensive Procurement Guidelines (CPG) for landscaping products. Refer to EPA's CPG web site, WWW.EPA.GOV/CPG.

D. The Contracting Officer shall approve the landscaping to be provided.

6.13 **FLAGPOLE AND DISPLAY (AUG 2008)**

A. BUILDING SHELL:

1. If the Government is the sole occupant of the building, a flag pole shall be provided at a location to be approved by the Contracting Officer.

7.0 ARCHITECTURAL FINISHES

7.1 RECYCLED CONTENT PRODUCTS (COMPREHENSIVE PROCUREMENT GUIDELINES) (SEP 2000)

- A. The Lessor shall comply to the extent feasible with the Resource Conservation and Recovery Act (RCRA), Section 6002, 1976. The Lessor shall use recycled content products as indicated in this SFO and as designated by the U.S. Environmental Protection Agency (EPA) in the Comprehensive Procurement Guidelines (CPG), 40 CFR Part 247, and its accompanying Recovered Materials Advisory Notice (RMAN). The CPG lists the designated recycled content products. EPA also provides recommended levels of recycled content for these products. The list of designated products, EPA's recommendations, and lists of manufacturers and suppliers of the products can be found at the WWW.EPA.GOV/CPG/PRODUCTS.HTM web site.
- B. The Offeror, if unable to comply with both the CPG and RMAN lists, shall submit a request for waiver for each material to the Contracting Officer with the Tenant Improvements pricing submittal. The request for waiver shall be based on the following criteria:
1. the cost of the recommended product is unreasonable;
 2. inadequate competition exists;
 3. items are not available within a reasonable period of time; and
 4. items do not meet the SFO's performance standards.

7.2 ENVIRONMENTALLY PREFERABLE BUILDING PRODUCTS AND MATERIALS (DEC 2007)

- A. The Lessor shall use environmentally preferable products and materials. The Lessor is encouraged to consider the lifecycle analysis of the product in addition to the initial cost.
- B. Refer to EPA's environmentally preferable purchasing web site, www.epa.gov/epp and USDA BioPreferred products web site www.biobased.oce.usda.gov/fb4p/. In general, environmentally preferable products and materials do one or more of the following:
1. Contain recycled material, are biobased, are rapidly renewable (10-year or shorter growth cycle), or have other positive environmental attributes;
 2. Minimize the consumption of resources, energy, and water;
 3. Prevent the creation of solid waste, air pollution, or water pollution; or
 4. Promote the use of nontoxic substances and avoid toxic materials or processes.
- C. The Lessor is encouraged to use products that are extracted and manufactured regionally.

7.3 FINISH SELECTIONS (AUG 2008)

- A. All required finish selection samples shall be provided within 7 days of the request for such by the Contracting Officer. NOAA shall deliver necessary finish selections to the Lessor within 10 days after award or after receipt of plans and samples, whichever is later.
- B. All building finishes shall be for first class, modern space.
- C. The Lessor shall consult with the Contracting Officer prior to developing a minimum of 3 colorboards to include coordinated samples of finishes for all interior elements such as paint, wall coverings, base coving, carpet, window treatments, laminates, and flooring. All samples provided shall be in compliance with specifications set forth elsewhere in this SFO. The Lessor shall provide the required colorboards within 5 working days of the request for such by the Contracting Officer. The colorboards shall be approved by NOAA prior to installation. Upon review with the Tenant, the Contracting Officer must select one colorboard within 5 working days, and unless otherwise specified prior to lease award, the Offeror may assume that one colorboard will be accepted for all finishes in the entire space under lease. The Lessor may not make any substitutions after the colorboard is selected.

7.4 WOOD PRODUCTS (AUG 2008)

- A. For all new installations of wood products, the Lessor is encouraged to use independently certified forest products. For information on certification and certified wood products, refer to the Forest Certification Resource Center (www.certifiedwood.org), the Forest Stewardship Council United States (www.fscus.org), or the Sustainable Forestry Initiative (www.aboutsfi.org).
- B. New installations of wood products used under this contract shall not contain wood from endangered wood species, as listed by the Convention on International Trade in Endangered Species. The list of species can be found at the following web site: www.cites.org/eng/resources/species.html
- C. Particle board, strawboard, and plywood materials shall comply with Department of Housing and Urban Development (HUD) standards for formaldehyde emission controls. Plywood materials shall not emit formaldehyde in excess of 0.2 parts per million (ppm), and particleboard materials shall not emit formaldehyde in excess of 0.3 ppm.

- D. All materials comprised of combustible substances, such as wood plywood and wood boards, shall be treated with fire retardant chemicals by a pressure impregnation process or other methods that treats the materials throughout as opposed to surface treatment.

7.5 ADHESIVES AND SEALANTS (SEP 2000)

All adhesives employed on this project (including, but not limited to, adhesives for carpet, carpet tile, plastic laminate, wall coverings, adhesives for wood, or sealants) shall be those with the lowest possible VOC content below 20 grams per liter and which meet the requirements of the manufacturer of the products adhered or involved. The Lessor shall use adhesives and sealants with no formaldehyde or heavy metals. Adhesives and other materials used for the installation of carpets shall be limited to those having a flash point of 140 degrees F or higher.

7.6 DOORS: SUITE ENTRY (AUG 2008)

TENANT IMPROVEMENT INFORMATION:

Suite entry doors shall be provided as part of the Tenant Improvements at the Government's expense and shall have a minimum clear opening of 32" wide x 84" high (per leaf). Doors shall meet the requirements of being a flush, solid-core, 1-3/4-inch thick, wood door with a natural wood veneer face or an equivalent pre-approved by the Contracting Officer. Hollow core wood doors are not acceptable. They shall be operable by a single effort; and shall meet the requirement of NFPA 101, *Life Safety Code* (current as of the award date of this Lease). Doors shall be installed in a metal frame assembly which is primed and finished with a low VOC semi-gloss oil-based paint finish with no formaldehyde.

7.7 DOORS: INTERIOR (AUG 2008)

TENANT IMPROVEMENT INFORMATION:

Doors within the Government-demised area shall be provided as part of the Tenant Improvements and shall have a minimum clear opening of 32" wide x 80" high. Doors shall be flush, solid-core, wood with a natural wood veneer face or an equivalent door pre-approved by the Contracting Officer. Hollow core wood doors are not acceptable. They shall be operable with a single effort, and shall meet the requirements of NFPA 101, *Life Safety Code* (current as of the award date of this lease). Doors shall be installed in a metal frame assembly which is primed and finished with a low VOC semi-gloss oil-based paint with no formaldehyde.

7.8 DOORS: HARDWARE (DEC 2007)

A. BUILDING SHELL:

Doors shall have door handles or door pulls with heavyweight hinges. All doors shall have corresponding doorstops (wall or floor mounted) and silencers. All public use doors and toilet room doors shall be equipped with kick plates. Exterior doors and all common area doors shall have automatic door closers. All building exterior doors shall have locking devices installed to reasonably deter unauthorized entry. Properly rated and labeled fire door assemblies shall be installed on all fire egress doors.

B. TENANT IMPROVEMENT INFORMATION:

Doors shall have door handles or door pulls with heavyweight hinges. The Lessor is encouraged to avoid the use of chrome-plated hardware. All doors shall have corresponding doorstops (wall- or floor-mounted) and silencers. All door entrances leading into the Government-demised area from public corridors and exterior doors shall have automatic door closers. Doors designated by the Government shall be equipped with 5-pin, tumbler cylinder locks and strike plates. All locks shall be master keyed. Furnish at least two master keys for each lock to the Government. Any exterior entrance shall have a high security lock, with appropriate key control procedures, as determined by Government specifications. Hinge pins and hasps shall be secured against unauthorized removal by using spot welds or peened mounting bolts. The exterior side of the door shall have a lock guard or astragal to prevent jimmying of the latch hardware. Doors used for egress only shall not have any operable exterior hardware. All security-locking arrangements on doors used for egress shall comply with requirements of NFPA 101.

7.9 DOORS: IDENTIFICATION (SEP 2000)

A. BUILDING SHELL:

All signage required in common areas unrelated to tenant identification shall be provided and installed by the Lessor.

B. TENANT IMPROVEMENT INFORMATION:

Door identification shall be installed in approved locations adjacent to office entrances as part of the Tenant Improvement Allowance. The form of door identification shall be approved by the Contracting Officer.

7.10 PARTITIONS: SUBDIVIDING (AUG 2008)

A. BUILDING SHELL:

Any demolition of existing improvements which is necessary to satisfy the Government's layout shall be done by the Lessor at the Lessor's expense.

B. TENANT IMPROVEMENT INFORMATION:

1. Office subdividing partitions shall comply with applicable building codes and local requirements and ordinances shall be provided as part of the Tenant Improvement Allowance. Partitioning shall extend from the finished floor to the finished ceiling and shall be designed to provide a minimum sound transmission class (STC) of 37. Partitioning shall be installed by the Lessor at locations to be determined by the Government as identified in the design intent drawings. They shall have a flame spread rating of 25 or less and a smoke development rating of 50 or less (ASTM E-84).

2. HVAC shall be rebalanced and lighting repositioned, as appropriate, after installation of partitions.

3. If necessary, sprinklers and fire alarm notification appliances shall be installed and/or repositioned as appropriate after installation of partitions to maintain the level of fire protection and life safety.
4. Partitioning requirements may be satisfied with existing partitions if they meet the Government's standards and layout requirements.

7.11 WALL FINISHES (AUG 2008)

A. BUILDING SHELL:

1. Physical Requirements.
 - a. Prior to occupancy, all restrooms within the building common areas of Government-occupied floors shall have 1) ceramic tile in splash areas and 2) semi gloss paint on remaining wall areas or other finish approved by the Contracting Officer.
 - b. Prior to occupancy, all elevator areas that access the Government-demised area and hallways accessing the Government-demised area shall be covered with wall coverings not less than 20 ounces per square yard, high performance paint or an equivalent.
2. Replacement. The Lessor must maintain all wall coverings, high-performance paint coatings, and paints in "like new" condition for the life of the lease. The Lessor, at its expense, must replace or repair paints, high-performance coatings, or wall coverings any time during the Government's occupancy if they are torn, peeling, permanently stained, marked, or damaged from impact. Repair or replace the ceramic tile in the restrooms if it is loose, chipped, broken, or permanently discolored. All repair and replacement work must occur after working hours.

B. TENANT IMPROVEMENT INFORMATION:

1. In the event the Government chooses to install a wall covering as part of the Tenant Improvement Allowance, the minimum standard is vinyl-free, chlorine-free, plasticizer-free wall covering with recycled content or biobased commercial wall covering weighing not less than 13 ounces per square yard or equivalent. In the event the Government chooses to install a high-performance paint coating, it shall comply with the VOC (Volatile Organic Compound) limits of the Green Seal Standard GS-11.
2. All wall covering in the Government-demised area shall be maintained in "like new" condition for the life of the lease. Repair or replacement of wall covering shall be at the Lessor's expense and shall include the moving and returning of furnishings, (except where wall covering has been damaged due to the negligence of the Government), any time during the occupancy by the Government if it is torn, peeling, or permanently stained. All repair and replacement work shall be done after working hours.

7.12 PAINTING (DEC 2007)

A. BUILDING SHELL:

1. The Lessor shall bear the expense for all painting associated with the building shell. These areas shall include all common areas. Exterior perimeter walls and interior core walls within the Government demised area shall be spackled and prime painted with low VOC primer. If any building shell areas are already painted prior to Tenant Improvements, then the Lessor shall repaint, at the Lessor's expense, as necessary during Tenant Improvements.
2. Public areas shall be painted at least every 3 years.
3. If the Government desires cyclical repainting within the demised tenant spaces during the term of the lease, the Lessor shall include the cost within shell rent. Cyclical repainting of demised tenant spaces shall occur every 4 years of occupancy.

B. TENANT IMPROVEMENT INFORMATION:

1. Prior to occupancy, all surfaces within the Government-demised area which are designated by GSA for painting shall be newly finished in colors acceptable to GSA.
2. The Lessor shall provide interior paints and coatings that meet or are equivalent to the following standards for Volatile Organic Compound (VOC) offgassing:
 - a. Topcoat paints: Green Seal Standard GS-11, Paints, First Edition, May 20, 1993.
 - b. All other architectural coatings, primers, and undercoats: South Coast Air Quality Management District (SCAQMD) Rule 1113, Architectural Coatings, effective January 1, 2004.
 - c. Architectural paints, coatings, and primers applied to interior walls and ceilings:
 - i. Flats: 50 grams per litre (g/L).
 - ii. Non-flats: 150 g/L.
 - d. Anticorrosive and antirust paints applied to interior ferrous metal substrates: 250 g/L.
 - e. Clear wood finishes:
 - i. Varnish: 350 g/L.

- ii. Lacquer: 550 g/L.
 - f. Floor coatings: 100 g/L
 - g. Sealers:
 - i. Waterproofing sealers: 250 g/L.
 - ii. Sanding sealers: 275 g/L.
 - iii. All other sealers: 200 g/L.
 - h. Shellacs:
 - i. Clear: 730 g/L.
 - ii. Pigmented: 550 g/L.
 - i. Stains: 250 g/L.
 - j. Use reprocessed latex paint in accordance with EPA's CPG (Comprehensive Procurement Guidelines) on all painted surfaces where feasible. The type of paint shall be acceptable to the Contracting Officer.
- 3. Painted surfaces shall be repainted at the Lessor's expense, including the moving and returning of furnishings, any time during the occupancy by the Government if it is peeling or permanently stained, except where damaged due to the negligence of the Government. All work shall be done after normal working hours as defined elsewhere in this SFO.

7.13 FLOOR COVERING AND PERIMETERS (AUG 2008)

A. BUILDING SHELL:

1. Exposed interior floors in primary entrances and lobbies shall be marble, granite or terrazzo. Exposed interior floors in secondary entrances, elevator lobbies, and primary interior corridors shall be high-grade carpet, marble, granite, terrazzo or durable vinyl composite tile. Resilient flooring shall be used in telecommunications rooms. Floor perimeters at partitions shall have wood, rubber, vinyl, marble or carpet base.
2. Terrazzo, unglazed ceramic tile, recycled glass tile, and/or quarry tile shall be used in all toilet and service areas.
3. Any alternate flooring must be pre-approved by the Contracting Officer.
4. In addition to the building shell flooring discussed above, the Government-demised areas which are designated by the Government for cyclic carpet replacement shall be recarpeted every 5 years with a product meeting this solicitation's requirements. This cost, including the moving and returning of furnishings, including disassembly and reassembly of systems furniture, will be borne by the Lessor as part of the shell rent.

B. TENANT IMPROVEMENT INFORMATION:

1. Floor covering shall be either carpet or resilient flooring, as specified in the Government's approved design intent drawings. Floor perimeters at partitions shall have wood, rubber, vinyl or carpet base.
2. The use of existing carpet may be approved by the Contracting Officer; however, existing carpet shall be repaired, stretched, and cleaned before occupancy and shall meet the static buildup requirement for new carpet.
3. If the Government requires restrooms and/or shower rooms in the Government-demised area, floor covering shall be terrazzo, unglazed ceramic tile, and/or quarry tile.
4. Any alternate flooring shall be pre-approved by the Contracting Officer.

C. INSTALLATION:

Floor covering shall be installed in accordance with manufacturing instructions to lay smoothly and evenly.

D. FLOORING – REPAIR OR REPLACEMENT:

1. Except when damaged by the Government, the Lessor shall repair or replace flooring as part of shell rent at any time during the lease term when:
 - a. backing or underlayment is exposed;
 - b. there are noticeable variations in surface color or texture;
 - c. it has curls, upturned edges, or other noticeable variations in texture,
 - d. tiles are loose, or
 - e. tears and/or tripping hazards are present.
2. Repair or replacement shall include the moving and returning of furnishings, including disassembly and reassembly of systems furniture, if necessary. Work shall be performed after normal working hours as defined elsewhere in this SFO.

7.14 CARPET: BROADLOOM (AUG 2008)

A. Any carpet to be newly installed pursuant to this paragraph or replaced during the life of the lease shall meet the following specifications:

1. *Pile Yarn Content.* Pile yarn content shall be staple filament or continuous filament premium grade nylon branded by a major fiber producer [e.g., Invista, Solutia, Shaw, Honeywell].
2. *Environmental Requirements.* The Lessor shall use carpet that meets the "Green Label Plus" requirements of the Carpet and Rug Institute unless an exception is granted by the Contracting Officer. Refer to EPA's environmentally preferable purchasing web site, WWW.EPA.GOV/EPP.
3. *Carpet Pile Construction.* Carpet pile shall be level loop, textured loop, level cut pile, or level cut/uncut pile.
4. *Pile Weight.* Pile weight shall be a minimum of 28 oz/ square yard for level loop or textured loop construction. Pile weight shall be a minimum weight of 30 oz/square yard for level cut/uncut construction.
5. *Secondary Back.* The secondary back shall be made from 100% synthetic fibers for glue-down installation.
6. *Density.* The density shall be a minimum of 5,000 oz/ cubic yard.
7. *Pile Height.* The maximum pile height shall be 1/2 inch (13 mm). Exposed edges of carpet shall be fastened to floor surfaces and shall have trim along the entire length of the exposed edge.
8. *Static Buildup.* Static buildup shall be a maximum of 3.5 KV when tested in accordance with AATCC-134.
9. *Flammability.* Carpet shall meet the flammability requirements of ASTE E-648 Test Method for Critical Radiant Flux of Floor Covering Systems Using a Radiant Heat Energy Source.
10. *Carpet Reclamation.* Where possible and required by law, dispose of any carpet replaced during the life of the lease from the site to a carpet recycling program or participate in a carpet buyback program. When carpet is replaced, submit documentation of carpet reclamation to the GSA Contracting Officer.

7.15 CARPET TILE (AUG 2008)

A. Any carpet to be newly installed pursuant to this paragraph shall meet the following specifications:

1. *Pile Yarn Content.* Pile Yarn Content. Pile yarn content shall be staple filament or continuous filament premium branded nylon branded by a major fiber producer [e.g., Invista (formerly DuPont), Solutia (formerly Monsanto), Shaw , and Honeywell (formerly BASF)].
2. *Environmental Requirements.* The Lessor shall use carpet tiles that meet the "Green Label Plus" requirements of the Carpet and Rug Institute unless an exception is granted by the Contracting Officer. Refer to the EPA's environmentally preferable purchasing web site, www.epa.gov/epp.
3. *Carpet Pile Construction.* Carpet pile shall be level loop, textured loop, level cut pile, or level cut/uncut pile.
4. *Pile Weight.* Pile weight shall be a minimum of 20 oz/square yard for level loop or textured loop construction. Pile weight shall be a minimum weight of 30 oz/yd² for level cut/uncut construction.
5. *Secondary Back.* The secondary backing shall be PVC free made from Polyurethane hardback, Thermoplastic Polyolefin Composite, Ethylene Vinyl Acetate-EVA, Polyurethane Cushion, or Olefin hardback reinforced with fiberglass.
6. *Total Weight.* Total weight shall be a minimum of 90 oz/ square yard.
7. *Density.* The density shall be a minimum of 5,000 oz/cubic yard.
8. *Pile Height.* The minimum pile height shall be 1/8 inch. The combined thickness of the total product shall not exceed 1/2 inch (13 mm).
9. *Static Buildup.* Static buildup shall be a maximum of 3.5 kilovolt, when tested in accordance with AATCC 134.
10. *Flammability.* Carpet shall meet the flammability requirements of ASTE E-648 Test Method for Critical Radiant Flux of Floor Covering Systems Using a Radiant Heat Energy Source.
11. *Carpet Construction.* Carpet construction shall be a minimum of 64 tufts per square inch.
12. *Carpet Reclamation.* Dispose of any carpet replaced during the life of the lease from the site to a carpet recycling program or participate in a carpet buyback program. When carpet is replaced, submit documentation of carpet reclamation to GSA.

8.0 MECHANICAL, ELECTRICAL, PLUMBING

8.1 MECHANICAL, ELECTRICAL, PLUMBING: GENERAL (AUG 2008)

A. BUILDING SHELL:

The Lessor shall provide and operate all building equipment and systems in accordance with applicable technical publications, manuals, and standard procedures. Mains, lines, and meters for utilities shall be provided by the Lessor. Exposed ducts, piping, and conduits are not permitted in office space.

B. SYSTEMS COMMISSIONING:

The Lessor shall incorporate commissioning requirements to verify that the installation and performance of energy consuming systems meet the Government's project requirements. The commissioning shall cover only work associated with tenant improvements or alterations or at a minimum: heating, ventilating, air conditioning and refrigeration (HVAC&R) systems and associated controls, lighting controls, and domestic hot water systems.

C. TENANT IMPROVEMENT INFORMATION:

The Lessor shall provide and operate all equipment and systems installed as Tenant Improvements in accordance with applicable codes, technical publications, manuals, and standard procedures.

8.2 BUILDING SYSTEMS (AUG 2008)

Whenever requested, the Lessor shall furnish to GSA as part of shell rent, a report by a registered professional engineer(s) showing that the building and its systems as designed and constructed will satisfy the requirements of this lease.

8.3 ENERGY COST SAVINGS (AUG 2008)

A. For existing buildings, the Offeror is encouraged to use 1) Energy Savings Performance Contracts (ESPC) or 2) utility agreements to achieve, maintain, and/or exceed the ENERGY STAR Benchmark Score of 75. The Offeror is encouraged to include shared savings in the offer as a result of energy upgrades where applicable. ENERGY STAR tools and resources can be found at the www.energystar.gov web site.

B. All new construction shall achieve an Energy Star score of 75 or above within 18 months after reaching 80 percent occupancy and must retain the qualifying ENERGY STAR score or better (www.energystar.gov). If the Lessor fails to achieve an Energy Star score of 75 or above within 18 months after reaching 80 percent occupancy, the Government may assist the lessor in implementing a corrective action program to achieve such a score, and deduct all related costs (including administrative costs) from the rent.

C. The Offeror may obtain a list of energy service companies qualified under the Energy Policy Act to perform ESPC, as well as additional information on cost-effective energy efficiency, renewables, and water conservation. For the ESPC qualified list, refer to the www.eere.energy.gov/femp web site, or call the FEMP Help Desk at 1-877-337-3463.

D. Incandescent bulbs shall not be used. Where it is not feasible to eliminate incandescent bulbs, exceptions must be approved by the Contracting Officer.

E. The Offeror is encouraged to purchase at least 50% of the Government tenant's electricity from renewable sources.

F. SUBMITTAL REQUIREMENT:

If renewable source power is purchased, provide documentation to the Contracting Officer within 9 months of occupancy.

8.4 INSULATION: THERMAL, ACOUSTIC, AND HVAC (AUG 2008)

A. All insulation products shall contain recovered materials as required by EPA's CPG and related recycled content recommendations.

B. No insulation installed with this project shall be material manufactured using chlorofluorocarbons (CFC's), nor shall CFC's be used in the installation of the product.

C. All insulation containing fibrous materials exposed to air flow shall be rated for that exposure or shall be encapsulated.

D. Insulating properties for all materials shall meet or exceed applicable industry standards. Polystyrene products shall meet American Society for Testing and Materials (ASTM) C578 91.

E. All insulation shall be low emitting with not greater than .05 ppm formaldehyde emissions.

F. The maximum flame spread and smoke developed index for insulation shall meet the requirements of the applicable local codes and ordinances (current as of the award date of this Lease) adopted by the jurisdiction in which the building is located.

8.5 DRINKING FOUNTAINS (AUG 2008)

A. BUILDING SHELL:

The Lessor shall provide, on each floor of Government occupied space, a minimum of one chilled accessible drinking fountain with potable water within every 200 feet of travel.

8.6 TOILET ROOMS (AUG 2008)

A. BUILDING SHELL:

1. Separate toilet facilities for men and women shall be provided on each floor occupied by the Government in the building. The facilities shall be located so that employees will not be required to travel more than 200 feet, on one floor to reach the toilets. Each toilet room shall have sufficient water closets enclosed with modern stall partitions and doors, urinals (in men's room), and hot (set in accordance with applicable building codes) and cold water. Water closets and urinals shall not be visible when the exterior door is open.
2. Each main toilet room shall contain the following:
 - a. a mirror and shelf above the lavatory;
 - b. a toilet paper dispenser in each water closet stall, that will hold at least two rolls and allow easy, unrestricted dispensing;
 - c. a coat hook on the inside face of the door to each water closet stall and on several wall locations by the lavatories;
 - d. at least one modern paper towel dispenser, soap dispenser, and waste receptacle for every two lavatories;
 - e. a coin-operated sanitary napkin dispenser in women's toilet rooms with a waste receptacle in each water closet stall;
 - f. ceramic tile, recycled glass tile, or comparable wainscot from the floor to a minimum height of 4 feet, 6 inches;
 - g. a disposable toilet seat cover dispenser; and
 - h. a counter area of at least 2 feet, 0 inches in length, exclusive of the lavatories (however, it may be attached to the lavatories) with a mirror above and a ground fault interrupt-type convenience outlet located adjacent to the counter area. The counter should be installed to minimize pooling or spilling of water at the front edge.
 - i. a floor drain.

B. If newly installed, toilet partitions shall be made from recovered materials as listed in EPA's CPG.

8.7 TOILET ROOMS: FIXTURE SCHEDULE (SEP 2000)

A. BUILDING SHELL:

1. The toilet fixture schedule specified below shall be applied to each full floor based on one person for each 135 ANSI/BOMA Office Area square feet of office space in a ratio of 50 percent men and 50 percent women.
2. Refer to the schedule separately for each sex.

NUMBER OF MEN*/WOMEN			WATER CLOSETS	LAVATORIES
1	-	15	1	1
16	-	35	2	2
36	-	55	3	3
56	-	60	4	3
61	-	80	4	4
81	-	90	5	4
91	-	110	5	5
111	-	125	6	5
126	-	150	6	**
> 150			***	

* In men's facilities, urinals may be substituted for 1/3 of the water closets specified.

** Add one lavatory for each 45 additional employees over 125.

*** Add one water closet for each 40 additional employees over 150.

3. For new installations:
 - a. Water closets shall not use more than 1.6 gallons per flush.
 - b. Urinals shall not use more than 1.0 gallons per flush. Waterless urinals are acceptable.

- c. Faucets shall not use more than 2.5 gallons per minute at a flowing water pressure of 80 pounds per square inch.

8.8 JANITOR CLOSETS (DEC 2007)

A. BUILDING SHELL:

1. Janitor closets with service sink, hot and cold water, and ample storage for cleaning equipment, materials, and supplies shall be provided on all floors. Each janitor closet door shall be fitted with an automatic deadlocking latch bolt with a minimum throw of 1/2 inch.
2. When not addressed by local code, provide containment drains plumbed for appropriate disposal of liquid wastes in spaces where water and chemical concentrate mixing occurs for maintenance purposes. Disposal is not permitted in restrooms.
3. Refer to the "Indoor Air Quality for Ventilation Requirements" paragraph in the SAFETY AND ENVIRONMENTAL MANAGEMENT section of this Solicitation for Offers (SFO).

8.9 HEATING AND AIR CONDITIONING (AUG 2008)

A. OFFICE SPACE

1. BUILDING SHELL:

- a. Temperatures shall conform to local commercial equivalent temperature levels and operating practices in order to maximize tenant satisfaction. These temperatures shall be maintained throughout the leased premises and service areas, regardless of outside temperatures, during the hours of operation specified in the lease. The Lessor shall perform any necessary systems start-up required to meet the commercially equivalent temperature levels prior to the first hour of each day's operation. At all times, humidity shall be maintained below 60% relative humidity.
 - b. During non working hours, heating temperatures shall be set no higher than 55° Fahrenheit, and air conditioning shall not be provided except as necessary to return space temperatures to a suitable level for the beginning of working hours. Thermostats shall be secured from manual operation by key or locked cage. A key shall be provided to the GSA Field Office Manager.
 - c. Simultaneous heating and cooling are not permitted.
 - d. Areas having excessive heat gain or heat loss, or affected by solar radiation at different times of the day, shall be independently controlled.
 - e. *Equipment Performance.* Temperature control for office spaces shall be provided by concealed central heating and air conditioning equipment. The equipment shall maintain space temperature control over a range of internal load fluctuations of plus 0.5 W/sq. ft. to minus 1.5 W/sq. ft. from initial design requirements of the tenant.
 - f. *HVAC Use During Construction.* The permanent HVAC system may be used to move both supply and return air during the construction process only if the following conditions are met:
 - I. a complete air filtration system with 60 percent efficiency filters is installed and properly maintained;
 - II. no permanent diffusers are used;
 - III. no plenum type return air system is employed;
 - IV. the HVAC duct system is adequately sealed to prevent the spread of airborne particulate and other contaminants; and
 - V. following the building "flush out," all duct systems are vacuumed with portable high-efficiency particulate arrestance (HEPA) vacuums and documented clean in accordance with National Air Duct Cleaners Association (NADCA) specifications.
 - g. *Ductwork Re-use and Cleaning.* Any ductwork to be reused and/or to remain in place shall be cleaned, tested, and demonstrated to be clean in accordance with the standards set forth by NADCA. The cleaning, testing, and demonstration shall occur immediately prior to Government occupancy to avoid contamination from construction dust and other airborne particulates.
 - h. The Lessor shall conduct HVAC system balancing after any HVAC system alterations during the term of the lease and shall make a reasonable attempt to schedule major construction outside of office hours.
 - i. Normal HVAC systems maintenance shall not disrupt tenant operations.
 - j. *Thermal Comfort.* During all working hours, comply with ASHRAE Standard 55-2004, Thermal Comfort Conditions for Human Occupancy.
2. TENANT IMPROVEMENT INFORMATION:
- a. *Zone Control.* Provide individual thermostat control for office space with control areas not to exceed 1,500 ANSI/BOMA office area square feet. Interior spaces must be separately zoned. Specialty occupancies (conference rooms, kitchens, etc.) must have active controls capable of sensing space use and modulating HVAC system in response to space demand.

Areas that routinely have extended hours of operation shall be environmentally controlled through dedicated heating and air conditioning equipment. Special purpose areas (such as photocopy centers, large conference rooms, computer rooms, etc.) with an internal cooling load in excess of 5 tons shall be independently controlled. Provide concealed package air conditioning equipment to meet localized spot cooling of tenant special equipment. Portable space heaters are prohibited.

B. WAREHOUSE AND RELATED SPACE

1. BUILDING SHELL:

- a. The Lessor shall furnish, install and coordinate with all tenant improvements sufficient warehouse heating and cooling units capable of maintaining the interior of the space at a minimum of 68 degrees Fahrenheit and a maximum of 80 degrees Fahrenheit year round, with all doors closed, throughout the lease term. Unit heaters shall be controlled by individual thermostats mounted in the area of the unit heaters, or controlled from a central master time clock of the 7-day type with a separate manual override switch (12 hours) or other automatic means to permit setback of temperature at night and on weekends. All controlled thermostats shall be capable of locking to prevent adjustment by unauthorized persons, and shall be secured from manual operation by key or locked cage. A key shall be provided to the Contracting Officer or designated representative. Central air rotation units will be acceptable if loading dock areas are equipped with unit heaters for direct heating over doors. In the warehouse area, unit heaters shall be mounted tight to the ceiling for maximum headroom in the aisles.

2. TENANT IMPROVEMENT INFORMATION:

- a. Any air conditioning or additional heating and ventilation needed to supply a greater demand of air control as specified above shall be considered "above standard" and shall be provided at the Government's expense and coordinated through tenant improvements.

8.10 VENTILATION (AUG 2008)

A. OFFICE SPACE

1. BUILDING SHELL:

- a. During working hours in periods of heating and cooling, ventilation shall be provided in accordance with the latest edition of ANSI/ASHRAE Standard 62.1, *Ventilation for Acceptable Indoor Air Quality*.
- b. Air filtration shall be provided and maintained with filters having a minimum efficiency rating as determined by ANSI/ASHRAE Standard 52.2, *Method of Testing General Ventilation Air Cleaning Devices for Removal Efficiency by Particle Size*. Pre-filters shall have a MERV efficiency of 8. Final filters shall have an MERV efficiency of 13.
- c. Toilet rooms shall be properly exhausted, with a minimum of 10 air changes per hour.
- d. Where the Lessor proposes that the Government shall pay utilities, the following shall apply:
 - I. an automatic air or water economizer cycle shall be provided to all air handling equipment, and
 - II. the building shall have a fully functional building automation system capable of control, regulation, and monitoring of all environmental conditioning equipment. The building automation system shall be fully supported by a service and maintenance contract.

B. WAREHOUSE AND RELATED SPACE

1. BUILDING SHELL:

- a. The Lessor shall furnish, install and coordinate with all tenant improvements ventilation system(s) as required by current standards and recommendations of the American Society of Heating, Refrigeration and Air Conditioning Engineers (ASHRAE) Incorporated Standard 62-1981; and National Fire Protection Association (NFPA) Standard 90A.

8.11 ELECTRICAL: GENERAL (SEP 2000)

The Lessor shall be responsible for meeting the applicable requirements of local codes and ordinances. When codes conflict, the more stringent standard shall apply. Main service facilities shall be enclosed. The enclosure may not be used for storage or other purposes and shall have door(s) fitted with an automatic deadlocking latch bolt with a minimum throw of 1/2 inch. Distribution panels shall be circuit breaker type with 10 percent spare power load and circuits.

8.12 ELECTRICAL: DISTRIBUTION (AUG 2008)

A. OFFICE SPACE

1. BUILDING SHELL:

- a. Main power distribution switchboards and distribution and lighting panel boards shall be circuit breaker type with copper buses that are properly rated to provide the calculated fault circuits. All power distribution panel boards shall be supplied with separate equipment ground buses. All power distribution equipment shall be required to handle the actual specified and projected loads plus 10 percent spare load capacity. Distribution panels are required to accommodate circuit breakers for the actual calculated needs plus 10 percent spare circuits that will be equivalent to the majority of other circuit breakers in the panel system. All floors shall have 120/208 V, 3-phase, 4-wire with bond, 60 hertz electric service available.
- b. Main distribution for standard office occupancy shall be provided at the Lessor's expense. In no event shall such power distribution (not including lighting and HVAC) for the Government-demised area fall below 7 W per ANSI/BOMA Office Area square foot.

- c. Convenience outlets shall be installed in accordance with NFPA Standard 70, *National Electrical Code*, or local code, whichever is more stringent.
- d. The Lessor shall provide duplex utility outlets in toilet rooms, corridors, and dispensing areas. Fuses and circuit breakers shall be plainly marked or labeled to identify circuits or equipment supplied through them.

2. TENANT IMPROVEMENT INFORMATION:

- a. All electrical, telephone, and data outlets within the Government-demised area shall be installed by the Lessor in accordance with the design intent drawings. All electrical outlets shall be installed in accordance with NFPA Standard 70, or local code, whichever is more stringent.
- b. All tenant outlets shall be marked and coded for ease of wire tracing; outlets shall be circuited separately from lighting. All floor outlets shall be flush with the plane of the finished floor. Outlet cover colors shall be coordinated with partition finish selections.
- c. The Lessor shall in all cases safely conceal outlets and associated wiring (for electricity, voice, and data) to the workstation(s) shall be safely concealed in partitions, ceiling plenums, in recessed floor ducts, under raised flooring, or by use of a method acceptable to the Contracting Officer.

B. WAREHOUSE AND RELATED SPACE

1. BUILDING SHELL

- a. At no expense to the Government, the Lessor shall provide electrical service separately metered to the Government's space. Power to the Government lease area shall be 480/277 volt 3-phase, 4-wire. The Lessor shall provide the necessary electrical transformer, equipment and distribution panel boards to step down the voltage for 240/120-volt electrical outlets. A minimum of 100 amps at 240/120 volts per 4,000 square feet of lease area exclusive of lighting circuits shall be provided to circuit breaker panel boxes in the Government lease area. All switchgear, fuses and circuit breakers shall be plainly marked or labeled to identify circuits and/or equipment supplied through them. Main power distribution switchboards, power and lighting panel boards shall be circuit breaker type with copper buses that are properly rated to provide the calculated fault circuits. All power distribution panel boards shall be supplied with separate equipment ground buses. Distribution panels are required to accommodate circuit breakers for the actual calculated needs plus 25% spare circuits that will be equivalent to the majority of other circuit breakers in the panel system.

2. TENANT IMPROVEMENT INFORMATION:

- a. All electrical, telephone, and data outlets within the Government demised area shall be installed by the Lessor at the expense of the Government.
- b. All tenant outlets shall be marked and coded for ease of wire tracing. Outlets shall be circuited separately from lighting. All floor outlets, if any, must be flush with the plane of the finished floor.

8.13 TELECOMMUNICATIONS: DISTRIBUTION AND EQUIPMENT (SEP 2000)

A. BUILDING SHELL:

- 1. Sufficient space shall be provided on the floor(s) where the Government occupies space for the purposes of terminating telecommunications service into the building. The building's telecommunications closets located on all floors shall be vertically-stacked. Telecommunications switchrooms, wire closets, and related spaces shall be enclosed. The enclosure shall not be used for storage or other purposes and shall have door(s) fitted with an automatic door-closer and deadlocking latch bolt with a minimum throw of 1/2 inch.
- 2. Telecommunications switchrooms, wire closets, and related spaces shall meet applicable Telecommunications Industry Association (TIA) and Electronic Industries Alliance (EIA) standards. These standards include the following:
 - a. TIA/EIA-568, *Commercial Building Telecommunications Cabling Standard*,
 - b. TIA/EIA 569, *Commercial Building Standard for Telecommunications Pathways and Spaces*,
 - c. TIA/EIA-570, *Residential and Light Commercial Telecommunications Wiring Standard*, and
 - d. TIA/EIA-607, *Commercial Building Grounding and Bonding Requirements for Telecommunications Standard*.
- 3. Telecommunications switchrooms, wire closets, and related spaces shall meet applicable NFPA standards. Bonding and grounding shall be in accordance with NFPA Standard 70, *National Electrical Code*, and other applicable NFPA standards and/or local code requirements.

B. TENANT IMPROVEMENT INFORMATION:

Telecommunications floor or wall outlets shall be provided as part of the Tenant Improvement Allowance. At a minimum, each outlet shall house one 4-pair wire jack for voice and one 4-pair wire jack for data. The Lessor shall ensure that all outlets and associated wiring, copper, coaxial cable, optical fiber, or other transmission medium used to transmit telecommunications (voice, data, video, Internet, or other emerging technologies) service to the workstation shall be safely concealed under raised floors, in floor ducts, walls, columns, or molding. All outlets/junction boxes shall be provided with rings and pull strings to facilitate the installation of cable. Some transmission medium may require special conduit, inner duct, or shielding as specified by the Government.

8.14 TELECOMMUNICATIONS: LOCAL EXCHANGE ACCESS (AUG 2008)

A. BUILDING SHELL:

1. The Government reserves the right to contract its own telecommunications (voice, data, video, Internet or other emerging technologies) service in the space to be leased. The Government may contract with one or more parties to have inside wiring (or other transmission medium) and telecommunications equipment installed.
2. The Lessor shall allow the Government's designated telecommunications providers access to utilize existing building wiring to connect its services to the Government's space. If the existing building wiring is insufficient to handle the transmission requirements of the Government's designated telecommunications providers, the Lessor shall provide access from the point of entry into the building to the Government's floor space, subject to any inherent limitations in the pathway involved.
3. The Lessor shall allow the Government's designated telecommunications providers to affix telecommunications antennae (high frequency, mobile, microwave, satellite, or other emerging technologies), subject to weight and wind load conditions, to roof, parapet, or building envelope as required. Access from the antenna(e) to the leased space shall be provided.
4. The Lessor shall allow the Government's designated telecommunications providers to affix antennae and transmission devices throughout its leased space and in appropriate common areas frequented by the Government's employees so as to allow the use of wireless telephones and communications devices necessary to conduct business.

B. TENANT IMPROVEMENT INFORMATION:

Provide sealed conduit to house the agency telecommunications system when required.

8.15 DATA DISTRIBUTION (AUG 2008)

A. TENANT IMPROVEMENT INFORMATION:

The Government shall be responsible for purchasing and installing data cable. The Lessor shall safely conceal data outlets and the associated wiring used to transmit data to workstations shall be in floor ducts, walls, columns, or below access flooring. The Lessor shall provide as part of the Tenant Improvement Allowance outlets, which shall include rings and pull strings to facilitate the installation of the data cable. When cable consists of multiple runs, the Lessor shall provide ladder-type or other acceptable cable trays to prevent Government-provided cable coming into contact with suspended ceilings or sprinkler piping. Cable trays shall form a loop around the perimeter of the Government-demised area such that they are within a 30-foot horizontal distance of any single drop.

8.16 ELECTRICAL, TELEPHONE, DATA FOR SYSTEMS FURNITURE (AUG 2008)

A. TENANT IMPROVEMENT INFORMATION:

1. The Lessor shall provide as part of the Tenant Improvement Allowance separate data, telephone, and electric junction boxes for the base feed connections to Government-provided modular or systems furniture, when such feeds are supplied via wall outlets or floor penetrations. When overhead feeds are used, junction boxes shall be installed for electrical connections. Raceways shall be provided throughout the furniture panels to distribute the electrical, telephone, and data cable. The Lessor shall provide all electrical service wiring and connections to the furniture at designated junction points. Each electrical junction shall contain an 8-wire feed consisting of 3 general-purpose 120-V circuits with 1 neutral and 1 ground wire, and a 120-V isolated-ground circuit with 1 neutral and 1 isolated-ground wire. A 20-ampere circuit shall have no more than 8 general-purpose receptacles or 4 isolated-ground "computer" receptacles.
2. The Government shall be responsible for purchasing data and telecommunications cable. Said cable shall be installed and connected to systems furniture by the Lessor/contractor with the assistance and/or advice of the Government or computer vendor. The Lessor shall provide wall-mounted data and telephone junction boxes, which shall include rings and pull strings to facilitate the installation of the data and telecommunications cable. When cable consists of multiple runs, the Lessor shall provide ladder-type or other acceptable cable trays to prevent Government-provided cable coming into contact with suspended ceilings or sprinkler piping. Cable trays shall form a loop around the perimeter of the Government-demised area such that they are within a 30-foot horizontal distance of any single drop. Said cable trays shall provide access to both telecommunications data closets and telephone closets.
3. The Lessor shall furnish and install suitably sized junction boxes in the vicinity of the "feeding points" of the furniture panels. All "feeding points" shall be shown on Government-approved design intent drawings. The Lessor shall temporarily cap off the wiring in the junction boxes until the furniture is installed. The Lessor shall make all connections in the power panel and shall keep the circuit breakers off. The Lessor shall identify each circuit with the breaker number and shall identify the computer hardware to be connected to it. The Lessor shall identify each breaker at the panel and identify the devices that it serves.
4. The Lessor's electrical contractor must connect power poles or base feeds in the junction boxes to the furniture electrical system and test all pre-wired receptacles in the systems furniture. Other Government contractors will be installing the data cable in the furniture panels for the terminal and printer locations, installing the connectors on the terminal/printer ends of the cable, and continuity testing each cable. Work shall be coordinated and performed in conjunction with the furniture, telephone, and data cable installers. Much of this work may occur over a weekend on a schedule that requires flexibility and on-call visits. The Lessor must coordinate the application of Certification of Occupancy with furniture installation.

8.17 ADDITIONAL ELECTRICAL CONTROLS

If the Government pays separately for electricity, no more than 500 square feet of office may be controlled by one switch or automatic light control for all space on the Government meter, whether through a building automation system, time clock, occupant sensor, or other comparable system acceptable to the Contracting Officer.

8.18 ELEVATORS (AUG 2008)

- A. The Lessor shall provide suitable passenger and, when required by the Government, freight elevator service to any Government-demised area not having ground level access. Service shall be available during the hours specified in the "Normal Hours" paragraph in the SERVICES, UTILITIES AND LEASE ADMINISTRATION section of this SFO. However, one passenger and, when required by the Government, one freight elevator shall be available at all times for Government use. When a freight elevator is required by the Government, shall be accessible to the loading areas. When possible, the Government shall be given 24-hour advance notice if the service is to be interrupted for more than 1-1/2 hours. Normal service interruption shall be scheduled outside of the Government's normal working hours. The Lessor shall also use best efforts to minimize the frequency and duration of unscheduled interruptions.
- B. CODE:
Elevators shall conform to the current requirements of the American Society of Mechanical Engineers ASME A17.1, *Safety Code for Elevators and Escalators* (current as of the award date of this SFO). Where provided, elevator lobby and elevator machine room smoke detectors shall activate the building fire alarm system, provide Phase 1 automatic recall of the elevator(s), and automatically notify the local fire department or approved central station. The elevator shall be inspected and maintained in accordance with the current edition of the ASME A17.2, *Inspectors' Manual for Elevators*. Except for the reference to ASME A17.1 in ABAAS Section F105.2.2, all elevators must meet ABAAS requirements for accessibility in Sections 407, 408, and 409 of ABAAS.
- C. SAFETY SYSTEMS:
Elevators shall be equipped with telephones or other two-way emergency communication systems. The system used shall be marked and shall reach an emergency communication location staffed 24 hours per day, 7 days per week.
- D. SPEED:
The passenger elevators shall have a capacity to transport in 5 minutes 15 percent of the normal population of all upper floors (based on 150 square feet per person). Further, the dispatch interval between elevators during the up-peak demand period shall not exceed 35 seconds.
- E. INTERIOR FINISHES:
Elevator cab walls shall be hardwood, marble, granite, or an equivalent pre-approved by the Contracting Officer. Elevator cab floors shall be marble, granite, terrazzo, or an equivalent pre-approved by the Contracting Officer.

8.19 LIGHTING: INTERIOR AND PARKING (AUG 2008)

A. OFFICE SPACE

1. BUILDING SHELL:

- a. In accordance with subparagraph (10) of the, "Building Shell Requirements" paragraph in the Summary section of this SFO, the Lessor shall provide interior lighting, as part of the building shell cost, as follows:
- I. Unless alternate lighting is approved by the Contracting Officer, modern, diffused fluorescent fixtures using no more than 2.0 W per ANSI/BOMA Office Area square foot shall be provided. Such fixtures shall be capable of producing a light level of 50 average maintained foot-candles at working surface height throughout the space. Tubes shall then be removed to provide 1) 30 foot-candles in portions of work areas other than work surfaces and 2) 1 foot-candle to 10 foot-candles, or minimum levels sufficient for safety, in non-working areas. Exceptions may be granted by the GSA Buildings Manager, and approved by the GSA Contracting Officer. When the space is not in use by the Government, interior and exterior lighting, except that essential for safety and security purposes, shall be turned off.
 - II. Exterior parking areas, vehicle driveways, pedestrian walkways, and building perimeter shall have 5 foot-candles for doorway areas, 3 foot-candles for transition areas (including stairwells), and at least 1 foot-candle overlapping throughout the lot, except where local codes conflict. Illumination shall be designed based on Illuminating Engineering Society of North America (IESNA) standards. Indoor parking shall have a minimum of 10 foot-candles and shall be designed based on IESNA standards. The intent is to provide adequate lighting at entrances/exits, garages, parking lots or other adjacent areas to the building to discourage crimes against persons.
 - III. Exterior building lighting must have emergency power backup to provide for safe evacuation of the building in case of natural disaster, power outage, or criminal/terrorist activity.
 - IV. The Lessor shall provide occupancy sensors and/or scheduling controls through the building automation system to reduce the hours that the lights are on when the space is unoccupied. The Lessor shall provide daylight dimming controls in atriums or within 15 feet of windows where daylight can contribute to energy savings.

2. TENANT IMPROVEMENTS:

- a. Once the design intent drawings are approved, the Lessor shall design and provide interior lighting yielding a uniform 50 foot-candles at working surface height (30" above the floor). The increase between the number of fixtures required in the building shell and the space layout is part of the Tenant Improvement Allowance. The light fixtures shall meet the requirements as stated in the above Building Shell subparagraph A.
- b. If pendant style indirect lighting fixtures are used, the increase between the number of fixtures required in the building shell and the space layout is also part of the Tenant Improvement Allowance.
- c. The design intent drawings may require a mixed use of recessed and pendant style fixtures in the leased space.

- d. There may be additional security requirements for lighting in exterior parking areas, vehicle driveways, pedestrian walkways, and building perimeter. Please see Security Requirements elsewhere in this solicitation.

B. WAREHOUSE

1. BUILDING SHELL

- a. Lessor shall provide lighting as per the below stated specifications. Any above standard lighting requested by the Government shall be at the expense of the Government. Lessor shall be responsible for maintenance, repair and replacement of all lighting system components, including bulbs and ballasts.
- I. Warehouse Area- Lighting level shall be 10 foot-candles minimum, as measured 30 inches above the floor, in aisles and open storage areas in the warehouse with the storage racks full. Lighting level in the shipping and receiving areas shall be 30 foot-candles minimum, when measured 30 inches above the floor. Light fixtures in the warehouse area are to be installed over aisles.
- II. Building Entrances and Corridors Providing Means of Ingress or Egress- A lighting level of at least 20 foot-candles, as measured 30 inches above the floor, should be maintained in any corridors providing ingress and egress to the Government demised area. 10 foot-candles, or minimum levels sufficient to ensure safety, should be maintained in other non-working areas. When the space is not in use by the Government, interior and exterior lighting controllable by Lessor, except that essential for safety and security purposes, shall be turned off.

9.0 **FIRE PROTECTION, LIFE SAFETY, AND ENVIRONMENTAL ISSUES**

9.1 **MEANS OF EGRESS (SEP 2007)**

- A. Offered space shall meet or be upgraded to meet prior to occupancy, the applicable egress requirements in the National Fire Protection Association (NFPA) 101, *Life Safety Code* (current as of the award date of this lease), or an alternative approach or method for achieving a level of safety deemed equivalent and acceptable by the Government.
- B. Offered space shall provide unrestricted access to a minimum of two remote exits on each floor of Government occupancy. Scissor stairs shall only be counted as one approved exit. Open air exterior fire escapes shall not be counted as an approved exit. In addition, the requirements for exit remoteness and discharge from exits shall meet the requirements in NFPA 101, *Life Safety Code* (current as of the award date of this lease), or an alternative approach or method for achieving a level of safety deemed equivalent and acceptable to the Government.

9.2 **AUTOMATIC FIRE SPRINKLER SYSTEM (AUG 2008)**

- A. Offered space located below-grade, including parking garage areas, and all areas in a building referred to as "hazardous areas" (defined in NFPA 101) that are located within the entire building (including non-Government areas) shall be protected by an automatic fire sprinkler system or an equivalent level of safety.
- B. The building shall be protected by an automatic fire sprinkler system or an equivalent level of safety.
- C. Automatic sprinkler system(s) shall be maintained in accordance with the requirements NFPA 25, *Standard for the Inspection, Testing, and Maintenance of Water-based Fire Protection Systems* (current as of the award date of this lease), or the applicable local codes.
- D. **DEFINITIONS:**
 - 1. "Automatic sprinkler system" means an electronically supervised, integrated system of underground and overhead piping, designed in accordance with National Fire Protection Association (NFPA) 13, *Installation of Sprinkler Systems*. The system is usually activated by heat from fire and discharges water over the fire area. The system includes an adequate water supply.
 - 2. "Equivalent level of safety" means an alternative design or system (which may include automatic sprinkler systems), based upon fire protection engineering analysis, which achieves a level of safety equal to or greater than that provided by automatic sprinkler systems.

9.3 **FIRE ALARM SYSTEM (AUG 2008)**

- A. A building-wide fire alarm system shall be installed in buildings in which any portion of the offered space is located 2 or more stories in height above the lowest level of exit discharge. The fire alarm system shall meet the installation and operational requirements of the applicable local codes and ordinances adopted by the jurisdiction in which the building is located.
- B. The fire alarm system shall be maintained in accordance with the requirements of the applicable local codes or NFPA 72, *National Fire Alarm Code* (current as of the award of the lease) The fire alarm system wiring and equipment shall be electrically-supervised and shall automatically notify the local fire department or approved central station. Emergency power shall be provided for the fire alarm system.
- C. If a building's fire alarm control unit is over 25 years old, the Offeror shall install a new fire alarm system in accordance with the requirements of NFPA 72, *National Fire Alarm Code* (current as of the award of the lease) or applicable local codes prior to Government acceptance and occupancy of the offered space.

9.4 **OSHA REQUIREMENTS (SEP 2000)**

The Lessor shall maintain buildings and space in a safe and healthful condition according to OSHA standards.

9.5 **ASBESTOS (SEP 2000)**

- A. Offers are requested for space with no asbestos-containing materials (ACM), or with ACM in a stable, solid matrix (e.g., asbestos flooring or asbestos cement panels) which is not damaged or subject to damage by routine operations. For purposes of this paragraph, "space" includes the 1) space offered for lease; 2) common building area; 3) ventilation systems and zones serving the space offered; and 4) the area above suspended ceilings and engineering space in the same ventilation zone as the space offered. If no offers are received for such space, the Government may consider space with thermal system insulation ACM (e.g., wrapped pipe or boiler lagging) which is not damaged or subject to damage by routine operations.
- B. **DEFINITION:**

ACM is defined as any materials with a concentration of greater than 1 percent by dry weight of asbestos.
- C. Space with ACM of any type or condition may be upgraded by the Offeror to meet conditions described in subparagraph A by abatement (removal, enclosure, encapsulation, or repair) of ACM not meeting those conditions. If any offer involving abatement of ACM is accepted by the Government, the Lessor shall, prior to occupancy, successfully complete the abatement in accordance with OSHA, EPA, Department of Transportation (DOT), state, and local regulations and guidance.

D. **MANAGEMENT PLAN:**

If space is offered which contains ACM, the Offeror shall submit an asbestos-related management plan for acceptance by the Government prior to lease award. This plan shall conform to EPA guidance, be implemented prior to occupancy, and be revised promptly when conditions affecting the plan change. If asbestos abatement work is to be performed in the space after occupancy, the Lessor shall submit to the Contracting Officer the occupant safety plan and a description of the methods of abatement and re-occupancy clearance, in accordance with OSHA, EPA, DOT, state, and local regulations and guidance, at least 4 weeks prior to the abatement work.

9.6 INDOOR AIR QUALITY (DEC 2007)

- A. The Lessor shall control contaminants at the source and/or operate the space in such a manner that the GSA indicator levels for carbon monoxide (CO), carbon dioxide (CO₂), and formaldehyde (HCHO) are not exceeded. The indicator levels for office areas shall be: CO 9 ppm time weighted average (TWA 8 hour sample); CO₂ 1,000 ppm (TWA); HCHO 0.1 ppm (TWA).
- B. The Lessor shall make a reasonable attempt to apply insecticides, paints, glues, adhesives, and HVAC system cleaning compounds with highly volatile or irritating organic compounds, outside of working hours. Except in an emergency, the Lessor shall provide at least 72 hours advance notice to the Government before applying noxious chemicals in occupied spaces and shall adequately ventilate those spaces during and after application.
- C. The Lessor shall promptly investigate indoor air quality (IAQ) complaints and shall implement the necessary controls to address the complaint.
- D. The Government reserves the right to conduct independent IAQ assessments and detailed studies in space that it occupies, as well as in space serving the Government demised area (e.g., common use areas, mechanical rooms, HVAC systems, etc.). The Lessor shall assist the Government in its assessments and detailed studies by 1) making available information on building operations and Lessor activities; 2) providing access to space for assessment and testing, if required; and 3) implementing corrective measures required by the Contracting Officer.
- E. The Lessor shall provide to the Government material safety data sheets (MSDS) upon request for the following products prior to their use during the term of the lease: adhesives, caulking, sealants, insulating materials, fireproofing or firestopping materials, paints, carpets, floor and wall patching or leveling materials, lubricants, clear finish for wood surfaces, janitorial cleaning products, pesticides, rodenticides, and herbicides. The Government reserves the right to review such products used by the Lessor within 1) the Government demised area; 2) common building areas; 3) ventilation systems and zones serving the leased space; and 4) the area above suspended ceilings and engineering space in the same ventilation zone as the leased space.
- F. Where hazardous gasses or chemicals (any products with data in the Health and Safety section of the MSDS sheets) may be present or used, including large-scale copying and printing rooms, segregate areas with deck-to-deck partitions with separate outside exhausting at a rate of at least 0.5 cubic feet per minute per square foot, no air recirculation. The mechanical system must operate at a negative pressure compared with the surrounding spaces of at least an average of 5 Pa (pascal) (0.02 inches of water gauge) and with a minimum of 1 Pa (0.004 inches of water gauge) when the doors to the rooms are closed.

9.7 RADON IN AIR (AUG 2008)

If space planned for occupancy by the Government is on the second floor above grade or lower, the Lessor shall, prior to occupancy, test the leased space for 2 days to 3 days using charcoal canisters or electret ion chambers. The Lessor is responsible to provide space in which air levels are below EPA's action concentration of 4 picoCuries per liter. After the initial testing, a follow-up test for a minimum of 90 days using alpha track detectors or electret ion chambers shall be completed. For further information on radon, see EPA's website on radon at WWW.EPA.GOV/IAQ/RADON/ZONEMAP.HTML

9.8 RADON IN WATER (AUG 2008)

- A. If the water source is not from a public utility, the Lessor shall demonstrate that water provided in the leased space is in compliance with EPA requirements and shall submit certification to the Contracting Officer prior to the Government occupying the space.
- B. If the EPA action level is reached or exceeded, the Lessor shall institute appropriate abatement methods which reduce the radon levels to below this action.

9.9 HAZARDOUS MATERIALS (OCT 1996)

The leased space shall be free of hazardous materials according to applicable federal, state, and local environmental regulations.

9.10 RECYCLING (DEC 2007)

- A. Where State or local law, code, or ordinance requires recycling programs (including mercury containing lamps) for the space to be provided pursuant to this SFO, the successful Offeror shall comply with such State and/or local law, code, or ordinance in accordance with GSA Form 3517, General Clauses, 552.270-8, *Compliance with Applicable Law*. In all other cases, the successful Offeror shall establish a recycling program for (at a minimum) paper, corrugated cardboard, glass, plastics, and metals where local markets for recovered materials exist. Provide an easily accessible, appropriately sized (2 square feet per 1,000 square feet of building gross floor area) area that serves the tenant space for the collection and storage of materials for recycling. Telecom rooms are not acceptable as recycling space. During the lease term, the Lessor agrees, upon request, to provide the Government with additional information concerning recycling programs maintained in the building and in the leased space.

9.11 OCCUPANT EMERGENCY PLANS (AUG 2008)

The Lessor is required to participate in and comply with the development and implementation of the Government Occupant Emergency Plan. The Plan must, among other things, include emergency notification procedures of the Lessor's building engineer or manager, building security, local emergency personnel, and NOAA on site manager and Department of Commerce Regional Security Office. For further information and guidelines on Occupant Emergency Plans, see also the following website:
<http://www.9-11submit.org/materials9-1/911/acrobat/27/P3&C10EmergencyPreparednessPlans/GSAOccupantEmergencyProgram.pdf>.

9.12 MOLD (AUG 2008)

- A. Actionable Mold is mold of types and concentrations in excess of that found in the local outdoor air.
- B. The Lessor shall provide space to the Government that is free from Actionable Mold and free from any conditions that reasonably can be anticipated to permit the growth of Actionable Mold or are indicative of the possibility that Actionable Mold will be present ("Indicators").
- C. At such times as the Government may direct, including but not limited to: after a flood, water damage not caused by the Government, or repairs caused by the Lessor, the Lessor, at its sole cost, expense and risk shall: (i) cause an industrial hygienist certified by the American Board of Industrial Hygienists or a qualified consultant ("the Inspector") who, in either instance, is reasonably acceptable to the Government, to inspect and evaluate the space for the presence of Actionable Mold or mold Indicators; and (ii) cause the Inspector to deliver the results of its inspection and evaluation (the "Report") to the Government within 30 days after it conducts same and, in all events, at the same time that it delivers the Report to Lessor. With the delivery of the Report to the Government, the Inspector shall notify the Government, in writing via cover letter to the report, if the Inspector discovers or suspects the existence of Actionable Mold or Indicators in the leased space.
- D. The presence of Actionable Mold in the premises may be treated as a Casualty, as determined by the Government, in accordance with the Fire and Other Casualty clause contained in the General Clauses of this lease. In addition to the provisions of the Fire and Other Casualty clause of this lease, should a portion of the premises be determined by the Government to be un-tenantable due to an act of negligence by the Lessor or his agents, the Lessor shall provide reasonably acceptable alternative space at the Lessor's expense, including the cost of moving, and any required alterations.
- E. If the Report indicates that Actionable Mold or Indicators are present in the leased space, the Lessor, at its sole cost, expense, and risk, shall within TBD days after its receipt of the Report: 1) retain an experienced mold remediation contractor reasonably acceptable to the Government to prepare and submit to the Government and Lessor a remediation plan (the "Plan") and within TBD days after the Government's approval of the Plan, remediate the Actionable Mold or the Indicators in the leased space, but prior to commencing such remediation, Lessor shall send the Government a notice stating: (i) the date on which the Actionable Mold remediation shall start and how long it is projected to continue; (ii) which portion of the leased space shall be subject to the remediation; and (iii) the remediation procedures and standards to be used to implement the Plan and the clearance criteria to be employed at the conclusion of the remediation; and 2) notify, in accordance with any applicable Federal, state, and local health and safety requirements, the Government employees as well as all other occupants of and visitors to the leased space of the nature, location and schedule for the planned remediation and reasons therefore.
- F. The Lessor shall be responsible for conducting the remediation in accordance with the relevant provisions of the document entitled "Mold Remediation in Schools and Commercial Buildings" (EPA 402-K-01-001, March 2001), published by the U.S. Environmental Protection Agency, as same may be amended or revised from time to time, and any other applicable federal, state, or local laws, regulatory standards and guidelines.
- G. The Lessor acknowledges and agrees that the Government shall have a reasonable opportunity to inspect the leased space after conclusion of the remediation. If the results of the Government's inspection indicate that the remediation does not comply with the Plan or any other applicable federal, state, or local laws, regulatory standards or guidelines, the Lessor, at its sole cost, expense and risk, shall immediately take all further actions necessary to bring the remediation into compliance.
- H. If the Lessor fails to exercise due diligence, or is otherwise unable to remediate the Actionable Mold, the Government may implement a corrective action program and deduct its costs from the rent.

10.0 LEASE SECURITY STANDARDS

10.1 GENERAL REQUIREMENTS (NOV 2005)

A. Overview of Lease Security Standards:

1. The Government will determine security standards for facilities and agency space requirements. Security standards will be assessed based upon tenant agency mix, size of space requirement, number of employees, use of the space, location of the facility, configuration of the site and lot, and public access into and around the facility. The Government will designate a security level from Level I to Level IV for each space requirement. All space requirements for this project are determined to be Level III. A copy of the Government's security standards is available at www.oca.gsa.gov.
2. The Contracting Officer (or the Contracting Officer's designated representative) will identify all required security standards.
3. Within 120 days of lease award, or at the time of submission of working/construction drawings, whichever is earlier, the Lessor shall provide the Government with itemized costs of the security items in this section. Additionally, the Lessor shall provide the cost per square foot of those items designated "shell" in this section as submitted in the final offer.
4. A security level designation may be determined by the individual space requirement or by the assessed, cumulative tenant agency mix within a given facility. If an Offeror is offering space in a facility currently housing a federal agency, the security level designation of the facility may be increased and the Offeror may be required to adhere to a higher security standard than other Offerors competing for the same space requirement. If two or more federal space requirements are being competed at the same time, an Offeror submitting on both or more space requirements may be subject to a higher security standard if the Offeror is determined to be the successful Offeror on more than one space requirement. It is incumbent upon the Offeror to prepare the Offeror's proposal accordingly.
5. Level I requirements have been incorporated into the paragraphs entitled, *Lighting: Interior and Parking*, and *Doors: Hardware* as part of this SFO. If this SFO is used for a Level I space requirement, the Level II lease security standards, as determined by the Government, shall become the minimum lease security standards for this requirement.

10.2 DETERRENCE TO UNAUTHORIZED ENTRY (NOV 2005)

The Lessor shall provide a level of security that reasonably prevents unauthorized entry to the space during non-duty hours and deters loitering or disruptive acts in and around the space leased. The Lessor shall ensure that security cameras and lighting are not obstructed.

10.3 ACCESS TO UTILITY AREAS (NOV 2005)

Utility areas shall be secure, and only authorized personnel shall have access.

10.4 EMERGENCY POWER TO CRITICAL SYSTEMS (TENANT IMPROVEMENT) (NOV 2005)

Emergency power backup is required for all alarm systems, CCTV monitoring devices, fire detection systems, entry control devices, lighting, etc., and special equipment, as identified elsewhere in the SFO.

10.5 MECHANICAL AREAS AND BUILDING ROOFS (NOV 2005)

- A. Keyed locks, keycards, or similar security measures shall strictly control access to mechanical areas. Additional controls for access to keys, keycards, and key codes shall be strictly maintained. The Lessor shall develop and maintain accurate HVAC diagrams and HVAC system labeling within mechanical areas.
- B. Roofs with HVAC systems shall also be secured. Fencing or other barriers may be required to restrict access from adjacent roofs based on a Government Building Security Assessment. Roof access shall be strictly controlled through keyed locks, keycards, or similar measures. Fire and life safety egress shall be carefully reviewed when restricting roof access.

10.6 ACCESS TO BUILDING INFORMATION (NOV 2005)

Building Information—including mechanical, electrical, vertical transport, fire and life safety, security system plans and schematics, computer automation systems, and emergency operations procedures—shall be strictly controlled. Such information shall be released to authorized personnel only, approved by the Government, preferably by the development of an access list and controlled copy numbering. The Contracting Officer may direct that the names and locations of Government tenants not be disclosed in any publicly accessed document or record. If that is the case, the Government may request that such information not be posted in the building directory.

10.7 POSTING OF GOVERNMENT RULES AND REGULATIONS (TENANT IMPROVEMENT) (NOV 2005)

The Government will post applicable Government rules and regulations at the entrance to any Government-occupied space for such things as, but not limited to, barring the unauthorized possession of firearms and dangerous weapons. The Government will coordinate with the Lessor to ensure signage is consistent with the Lessor's standards.

10.8 DEVELOPMENT, IMPLEMENTATION, AND PERIODIC REVIEW OF OCCUPANT EMERGENCY PLANS (NOV 2005)

The Lessor shall cooperate and participate in the development of an Occupant Emergency Plan (OEP) and if necessary, a supplemental Sheltering-in Place (SIP) Plan. Periodically, the Government may request that the Lessor assist in reviewing and revising the OEP and SIP plan(s).

10.9 EMERGENCY VOICE/ALARM COMMUNICATION SYSTEM (BUILDING SHELL) (NOV 2005)

The building-wide fire alarm system installed in the building shall be an emergency voice/alarm communication system. The emergency voice/alarm communication system shall be designed and installed to meet the requirements of the applicable local codes and ordinances (current as of the date of this SFO) adopted by the jurisdiction in which the building is located. The emergency voice/alarm communication system shall be capable of originating and distributing voice instructions (e.g., in the event of possible contamination of the HVAC system, blasts, etc.), as well as alert and evacuation signals pertaining to fire or other emergencies to the occupants of the building.

10.10 BUILDING SECURITY PLAN (NOV 2005)

The Offeror shall provide a Pre-Lease Building Security Plan, as attached, with the offer that addresses its compliance with the lease security standards, as described in this SFO and its attachments.

10.11 ADDITIONAL SECURITY MEASURES AS DETERMINED BY THE GOVERNMENT (NOV 2005)

The Government reserves the right, prior to the submission of final revised proposals, to require additional security measures to meet specific tenant occupancy requirements, as may be determined by the Government's building security assessment or any type of Government risk assessment evaluation of the proposed building, location, and tenant mix.

10.12 IDENTITY VERIFICATION OF PERSONNEL (MAY 2007)

- A. The Government reserves the right to verify identities of personnel with routine access to Government space. The Lessor shall comply with the agency personal identity verification procedures below that implement Homeland Security Presidential Directive-12 (HSPD-12), Office of Management and Budget (OMB) guidance M-05-24, and Federal Information Processing Standards Publication (FIPS PUB) Number 201, as amended.
- B. The Lessor shall insert this paragraph in all subcontracts when the subcontractor is required to have physical access to a federally controlled facility or access to a federal information system.
- C. Lessor compliance with subparagraphs 1 through 4 below will suffice to meet the Lessor's requirements under HSPD-12, OMB M-05-24, and FIPS PUB Number 201.
 - 1. The Government reserves the right to conduct background checks on Lessor personnel and contractors with routine access to Government leased space.
 - 2. Upon request, the Lessor shall submit completed fingerprint charts and background investigation forms for each employee of the Lessor, as well as employees of the Lessor's contractors or subcontractors, who will provide building operating services requiring routine access to the Government's leased space for a period greater than 6 months. The Government may also require this information for the Lessor's employees, contractors, or subcontractors who will be engaged to perform alterations or emergency repairs in the Government's space.
 - 3. The Lessor must provide Form FD-258, Fingerprint Chart (available from the Government Printing Office at <http://bookstore.gpo.gov>), and Standard Form 85P, Questionnaire for Public Trust Positions, completed by each person and returned to the contracting officer (or the contracting officer's designated representative) within 30 days from receipt of the forms. Based on the information furnished, the Government will conduct background investigations of the employees. The contracting officer will advise the Lessor in writing if an employee fails the investigation, and, effective immediately, the employee will no longer be allowed to work or be assigned to work in the Government's space.
 - 4. Throughout the life of the lease, the Lessor shall provide the same data for any new employees, contractors, or subcontractors who will be assigned to the Government's space. In the event the Lessor's contractor or subcontractor is subsequently replaced, the new contractor or subcontractor is not required to submit another set of these forms for employees who were cleared through this process while employed by the former contractor or subcontractor. The Lessor shall resubmit Form FD-258 and Standard Form 85P for every employee covered by this paragraph on a 5-year basis.

10.13 SECURE HVAC: OUTDOOR AIR INTAKES (BUILDING SHELL) (NOV 2005)

- A. The outdoor air intakes shall be located on a secure roof or high sidewall and not within 30 feet of the loading dock; otherwise the Lessor shall relocate, extend, or secure intakes as described below:
 - 1. *Outdoor air intakes shall be relocated.* The lowest edge of the outdoor air intakes shall be placed 40 feet, 0 inches above grade and not less than 30 feet, 0 inches from the loading dock. Access shall be locked and secured, if feasible. For increased visibility of suspicious items, moat areas and other ground level areas surrounding outside air intakes shall be completely free of trash, debris or any other matter.
 - 2. *Outdoor air intakes shall be extended.* If relocation is not feasible, as approved by the Government, intake extensions shall be constructed without creating adverse effects on HVAC performance. The higher the extensions, the better, as long as

other design constraints (excessive pressure loss, dynamic and static loads on structure) are considered. An extension height of 40 feet, 0 inches is required unless adverse effects on HVAC performance can be demonstrated. The entrance to the intake shall be covered with a sloped metal mesh to reduce the threat of objects being tossed in the intake. A minimum slope of 45 degrees may be required. Extension height shall be increased where existing platforms or building features (e.g., loading docks, retaining walls) might provide access to the outdoor air intakes.

3. A security zone around outdoor air intakes shall be established. When outdoor air intakes are publicly accessible and relocation or physical extensions are not viable options or are cost prohibitive, perimeter barriers that prevent public access to outdoor air intake areas shall be required based on the Government's building security assessment. Iron fencing or similar see-through barriers may be required. The restricted area shall also include an open buffer zone between the public areas and the intake louvers. The Government will have the right to monitor the buffer zone by physical security and/or closed circuit television (CCTV). Security lighting or intrusion detection sensors are required and shall be provided and installed by the Lessor.

10.14 SECURE HVAC: AIRBORNE HAZARDS (NOV 2005)

Air-handling units shall be able to be shut down in response to a threat. Procedures shall be in place for notification of the Lessor's building engineer or manager, building security guard desk, local emergency personnel, GSA personnel, and Contracting Officer for possible shut-down of the air handling units serving the mailroom and/or any other possibly affected areas of the building to minimize contamination, as deemed appropriate to the hazard.

10.15 SECURE HVAC: SECURE RETURN-AIR GRILLES (BUILDING SHELL) (NOV 2005)

The Lessor shall secure return-air grilles in public lobbies. Protection measures shall not adversely affect performance of the building's HVAC system. Return air-grille protective measures include 1) relocating return-air grilles to inaccessible, yet observable locations, 2) increasing security presence (human or CCTV) near vulnerable return-air grilles, 3) directing public access away from return-air grilles, and 4) removing furniture and visual obstructions from areas near air grilles.

10.16 ENTRY SECURITY: SECURITY GUARDS (NOV 2005)

Security guards, provided by the Government and stationed at public lobbies and public entrances/exits, are required for such purposes as, ID/pass control, and staffing x-ray and magnetometer equipment. The number of security guards required will be based on the Government's building security assessment, which will address the quantity and location of security equipment as required below. Appropriate lobby and entrance/exit space shall be made available for this purpose.

10.17 PARKING SECURITY REQUIREMENTS (NOV 2005)

- A. Accessibility to Official Government Vehicles:
Public accessibility to official Government vehicles shall be limited through fencing or other means.
- B. Identification of Parking Areas:
Government parking areas or spaces shall be assigned and marked as "reserved."
- C. Inspection of Parking Areas:
The Government reserves the right at all times, to inspect the parking premises, all vehicles therein, and to remove vehicles from the premises.
- D. Post Signs and Arrange for Towing of Unauthorized Vehicles: TENANT IMPROVEMENT
Signage shall be provided by the Lessor, acceptable to the Government, to alert parking patrons of inspection and towing policies. Signage shall advise that the removal of unauthorized vehicles can be expected.

10.18 SHATTER-RESISTANT WINDOW PROTECTION REQUIREMENTS (NOV 2005) (BUILDING SHELL)

- A. The Lessor shall provide and install wet-glazed or mechanically attached, shatter-resistant material not less than 0.18 millimeters (7 mil) thick on all exterior windows in Government-occupied space. The Offeror shall provide a description of the shatter-resistant window system in the attached "Pre-Lease Building Security Plan" for evaluation by the Government. Alternatively,
- B. The Lessor shall provide certification from a licensed professional engineer that the window system conforms to a minimum glazing performance condition of "3B" for a high protection level and a low hazard level. Window systems shall be certified as prescribed by WINGARD 4.1 or later or WINLAC 4.3 software to have satisfied the specified performance condition using the test methods provided in the *US General Services Administration Standard Test Method for Glazing and Window Systems Subject to Dynamic Overpressure Loadings* or *ASTM F1642-04 Standard Test Method for Glazing and Glazing Systems Subject to Airblast Loadings*.

10.19 TEMPORARY SECURITY UPGRADE DUE TO IMMEDIATE THREAT (NOV 2005)

The Government reserves the right, at its own expense and with its own personnel, to temporarily heighten security in the building under lease during heightened security conditions due to emergency situations such as terrorist attacks, natural disaster, and civil unrest.

10.20 SECURITY DESIGN CRITERIA (NOV 2005)

A. Security Design Criteria:

The Lessor shall ensure that the building design conforms to the standards detailed in the latest version of the Interagency Security Committee's (ISC) *Security Design Criteria*. A copy of the criteria is available at www.oca.gsa.gov.

10.21 SECURITY DESIGN CRITERIA: SETBACK (BUILDING SHELL) (NOV 2005)

The Lessor shall provide a setback distance of 20 feet as specified from the face of the building's exterior to the protected/defended perimeter (i.e., any potential point of explosion). This means the distance from the building to the curb or other boundary protected by bollards, planters or other street furniture. Such potential points of explosion may be, but are not limited to, such areas that could be accessible by any motorized vehicle (i.e., street, alley, sidewalk, driveway, parking lot).

10.22 SECURITY DESIGN CRITERIA: FACADE PROTECTION (BUILDING SHELL) (NOV 2005)

The Lessor shall provide a facade protection level of three as prescribed by WINGARD 4.1 or later or WINLAC 4.3 software.

10.23 SECURITY DESIGN CRITERIA: SHATTER-RESISTANT WINDOWS (BUILDING SHELL) (NOV 2005)

In Government-occupied space, window systems shall be certified by a licensed professional engineer as conforming to a minimum glazing performance condition of 3B for a high protection level and a low hazard level. Window systems shall be certified as prescribed by WINGARD 4.1 or later or WINLAC 4.3 software to have satisfied the specified performance condition using the test methods provided in the *US General Services Administration Standard Test Method for Glazing and Window Systems Subject to Dynamic Overpressure Loadings* or *F1642-04 Standard Test Method for Glazing and Glazing Systems Subject to Airblast Loadings*.

10.24 SECURITY DESIGN CRITERIA: HVAC (BUILDING SHELL) (NOV 2005)

Lobbies, mailrooms, and loading docks shall not share a return-air system with the remaining areas of the building. The Lessor shall provide lobby, mailroom, and loading dock ventilation systems' outside air intakes and exhausts with low leakage, fast acting, isolation dampers that can be closed to isolate their systems. Dedicated HVAC shall be required for mailrooms only when the Government specifically requires a centrally operated mailroom. On buildings of more than four stories, air intakes shall be located on the fourth floor or higher. On buildings of three stories or less, air intakes shall be located on the roof or as high as practical. Locating intakes high on a wall is preferred over a roof location.

10.25 SECURITY DESIGN CRITERIA: DESIGN AND ENGINEERING DOCUMENTS (NOV 2005)

The Government will review all design and engineering documents, including structural engineering calculations during design development.

11.0 SPECIAL REQUIREMENTS

11.1 SPECIAL REQUIREMENTS:

See Attached POR.